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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/605,276	09/19/2003	TUNG-YU CHEN	10656-US-PA	2275
31561	7590 09/07/2004		EXAMINER	
JIANQ CHYUN INTELLECTUAL PROPERTY OFFICE			TRAN, THIEN F	
7 FLOOR-1, NO. 100 ROOSEVELT ROAD, SECTION 2		ART UNIT	PAPER NUMBER	
TAIPEI, 100	•		2811	
TAIWAN			DATE MAILED: 09/07/2004	

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	Applicant(s)	~~~		
	10/605,276	CHEN ET AL.			
Office Action Summary	Examiner	Art Unit	· · · · · · · · · · · · · · · · · · ·		
	Thien F Tran	2811			
The MAILING DATE of this communication a			dress		
A SHORTENED STATUTORY PERIOD FOR REP THE MAILING DATE OF THIS COMMUNICATION - Extensions of time may be available under the provisions of 37 CFR after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a re If NO period for reply is specified above, the maximum statutory perio - Failure to reply within the set or extended period for reply will, by state Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	I. 1.136(a). In no event, however, may a pply within the statutory minimum of th d will apply and will expire SIX (6) MO ute, cause the application to become A	reply be timely filed irty (30) days will be considered timel NTHS from the mailing date of this or NBANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on	 ·				
2a) ☐ This action is FINAL . 2b) ☐ Th	nis action is non-final.				
3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under	<i>Ex parte Quayle</i> , 1935 C.	D. 11, 453 O.G. 213.			
Disposition of Claims					
4) ☐ Claim(s) 1-18 is/are pending in the application 4a) Of the above claim(s) is/are withdrest is/are allowed. 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) 1-18 are subject to restriction and/or	rawn from consideration.				
Application Papers					
9) The specification is objected to by the Exami	ner.				
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.					
Applicant may not request that any objection to the					
Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the	·				
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority docume 2. Certified copies of the priority docume 3. Copies of the certified copies of the priority docume application from the International Bure * See the attached detailed Office action for a list	nts have been received. nts have been received in a iority documents have been eau (PCT Rule 17.2(a)).	Application No n received in this National	Stage		
Attachment(s)					
1) Notice of References Cited (PTO-892)	4) Interview	Summary (PTO-413)			
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/0 Paper No(s)/Mail Date 		(s)/Mail Date Informal Patent Application (PTC	D-152)		

Art Unit: 2811

DETAILED ACTION

Election/Restrictions

Restriction to one of the following inventions is required under 35 U.S.C. 121:

- Claims 13-18, drawn to a semiconductor device, classified in class 257, subclass 734.
- II. Claims 1-12, drawn to process for making semiconductor devices, classified in class 438, subclass 22+.

The inventions are distinct, each from the other because of the following reasons:

Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case unpatentability of the group I invention would not necessarily imply unpatentability of the method of the group II invention, since the device of the group I invention could be made by processes different from those of the group II invention. For example, forming a nano-particle layer on a selected area for a contact on the first conductive layer and forming a dielectric layer on the exposed first conductive layer except on the nano-particle layer.

Because these inventions are distinct for the reasons given above and have acquired a separate status in the art as shown by their different classification, restriction for examination purposes as indicated is proper.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

This application is further restricted because it contains claims directed to the following patentably distinct species of the claimed invention:

Species 1: a structure having a metallic nano-particle layer

Species 2: a structure having a silicon nano-particle layer.

Applicant is required under 35 U.S.C. 121 to elect a single disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claims 1 and 13 are generic.

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

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Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thien F Tran whose telephone number is (571) 272-1665. The examiner can normally be reached on 8:30AM - 5:00PM Monday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Eddie C Lee can be reached on (571) 272-1732. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

THIENTRAN
PRIMARY EXAMINER

tt August 31, 2004